

From boatanchors@theporch.com Sun Nov 24 18:19:53 1996  
From: Cal Eustaquio N6KYR <ceustaqu@dot.w6bhz.calpoly.edu>  
Subject: 32 V continuing saga  
Message-ID: <Pine.SUN.3.91.961124150000.837C-100000@dot.w6bhz.calpoly.edu>

Hi folks. Just completed reconditioning/repairing the speech amp/mod section. Thought it was going to be easy but I encountered some minor problems. Replace the 2-pin mic connector. Looks good. But while trying clean up the chassis from dirt, dust, and cobwebs, some of the wiring broke loose. Two of the rivets in the 807 socket broke. Apparently, time and certain galvanic action caused the problems. I guess that after nearly 40 years, the copper or lead ions had a chance to trade places during that time. Hence, brittle failure of those soldered leads (maybe someone with a chemist background could explain that phenomenon). But I managed to replace the rivets with screws of the approximate size and resolder the wires back. I also double checked the wiring to see if it was o.k. Looks good on the VOM. Also finalized the repair of the rear panel. Found a spare 2 section barrier strip and installed that in place of the old cracked one. Thing is looking pretty spiffy now! I will be working on the PTO next, replacing the damaged MCS and KCS readouts. After that, its on to the rf section and tank. I'll keep you all posted. Folks, restoring a 32V wasn't as bad as I thought it to be. Cheers. Cal.

"Airborne--All the Way"  
"Armor--On the Way"

From boatanchors@theporch.com Sun Nov 24 11:31:34 1996  
From: 4CX250B@miavx1.acs.muohio.edu  
Subject: 75A-4 Filter for trade  
Message-ID: <v03007805aebe1969b122@[134.53.136.105]>

Hi Gang,

I'd like to trade a 1.5KHz filter for a 2.1KHz filter. The 1.5KHz filter makes a great ssb filter for high qrm conditions, and if paired with a 3.1KHz filter, makes the optimal ssb configuration for the 75A-4. I'm a cw op mostly, however, and want the 2.1KHz filter for general purpose ssb use. If I can find the 2.1KHz filter, I'll also sell my 3.1kHz filter.

Thanks,

Jim W8ZR

From boatanchors@theporch.com Sun Nov 24 11:31:34 1996  
From: wade@mpu.com  
Subject: BA Haunts Ventura County, CA  
Message-ID: <199611240032.QAA06682@mach1.mpu.com>

Greetings BAites,

I'll be spending the Thanksgiving Holiday with in-laws in the Oxnard/Ventura California area. Any BA type places I should try to get into?

Have a safe Thanksgiving

Dennis  
Dennis L. Wade  
KG6ZI  
Carmichael, CA  
Wanted: Motorola/Plectron BA VHF stuff

From boatanchors@theporch.com Sun Nov 24 11:31:34 1996  
From: "Richard A. George" <wa6jox@rain.org>  
Subject: Re: BA Haunts Ventura County, CA  
Message-ID: <Pine.SUN.3.95.961123163444.13811B-1000000@coyote.rain.org>

If you find any let me know i live here and can't find any. Don't miss the TRW swapmeet that saturday.

On Sat, 23 Nov 1996 wade@mpu.com wrote:

> Greetings BAites,  
>  
> I'll be spending the Thanksgiving Holiday with in-laws in the  
> Oxnard/Ventura California area. Any BA type places I should try to  
> get into?  
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> Have a safe Thanksgiving  
>  
> Dennis  
> Dennis L. Wade  
> KG6ZI  
> Carmichael, CA  
> Wanted: Motorola/Plectron BA VHF stuff  
>

From boatanchors@theporch.com Sun Nov 24 11:31:34 1996  
From: "Jim Berry" <basalop@eskimo.com>  
Subject: BA net report from Wa.  
Message-ID: <199611240949.BAA26011@mail.eskimo.com>

Hi BA Bob and everyone else,

As the noise slowly subsided, out of the noise I could hear NA4G loud and clear. Called several times but could not make the grade. Bob did hear me though at about 0526Z but not good enough to even get my call. Rig was trusty old ART-13, but I could only squeeze 90 watts into it. My end fed antenna is maybe 15 feet off the deck. Wonder I can get a signal out of my backyard. Maybe a little more then 1000 volts on the plates of the 813 and 300 volts a screen voltage I can pump things up a bit. No doubt an antenna that is up in the air would help a whole lot. Sure was fun trying.

73 Jim

Jim Berry K7SLI. QTH: Marysville, Wa (Near Seattle)  
Email: basalop@eskimo.com FAX: 360-659-1360  
Ham Digital: K7SLI @ K7SLI.#NWWA.WA.USA.NA  
Snail Mail: 5318 142nd PL NE Marysville, Wa 98271

From boatanchors@theporch.com Sun Nov 24 11:31:34 1996  
From: Cormac Thompson <cormac@televar.com>  
Subject: BA on AM in PM  
Message-ID: <3298449D.1E02@televar.com>

Hi gang:

Just to let you know, BA activity on AM is alive, well and growing in the Pacific Northwest. There must be 2-3 dozen of us, mostly in Washington and Oregon who regularly populate 3870-3875 in the afternoons, 7 days a week, anywhere from 1:30 - 4:30 local.

73 from The Real Radio Roundup  
Mac, W7JHS cormac@televar.com  
It's real informal and everyone is welcome.

From boatanchors@theporch.com Sun Nov 24 18:19:53 1996  
From: k7yha@juno.com (Richard H. Arland)  
Subject: Re: BA on AM in PM

Message-ID: <19961124.172819.4407.27.k7yha@juno.com>

On Sun, 24 Nov 1996 06:52:14 -0600 (CST) Cormac Thompson

>cormac@televar.com> writes:

>Hi gang:

>

>Just to let you know, BA activity on AM is alive, well and growing in  
>the Pacific Northwest. There must be 2-3 dozen of us, mostly in  
>Washington and Oregon who regularly populate 3870-3875 in the  
>afternoons, 7 days a week, anywhere from 1:30 - 4:30 local.

Hi Mac (and gang):

Talk about a flashback!

When I was a wee-lad studying for my Novice license, I had a HR-10B Heathkit receiver that was my 2nd kit project all set up in my bedroom. EVERY morning I would get up about 5 AM and tune in the "NorthWest Weather Net" on 80 meters, where hams from all over the Pacific NorthWest would gather to give their local weather conditions. One of the hams in the Spokane area would compile all this data and feed the results to KREM radio in Spokane who would air it as a PSA.

I still remember those terribly cold and wintery mornings listening to stations from Billings, Butte and Helena, Montana giving their snow reports: "Temperature is 5 degrees, winds from the northwest at 20, just got 22 inches of new snow overnight for a total of 65 inches and the barometer is falling again!".

Those were REALLY the "good old days". Thanks for the flashback!

73 rich K7YHA

From boatanchors@theporch.com Sun Nov 24 11:31:34 1996

From: michael.moore@24stex.com

Subject: BC-348R

Message-ID: <9611240908.0CU6100@24stex.com>

Subject: BC-348R

> My BC-348R was converted to an AC supply as I mentioned in an earlier

> post. Works fine except for a little hum which is quite irritating  
> when using headphones.

My BC-348-Q has the same problem. I thought that it might be the power supply but when I plugged in the speaker the hum went away. My Drake R4-b also hums a little with phones attached but not on the speaker. Go figure.

> I've isolated the hum to the AVC/OFF/MVC switch. I used the original  
> DC power wiring to switch the AC line, and I believe the AC is coupling  
> to the audio or AVC circuits which also pass through that switch.

Mine has a homemade AC power supply in it that looks very professional but it also uses the original power switch. I think the power supply may not be hefty enough to power this radio because as you turn up the volume on CW signals they start to "chirp" real bad. I don't have a schematic of the 'Q' version so I don't know if this radio has a voltage regulator like some other versions. Too hard right now to move the radio and remove it from it's case to check.

Does anyone know how many versions of the 348 were made? My Q was made in 1943 by Wells Gardner.

Mike...K6SQJ  
michael.moore@24stex.com

From boatanchors@theporch.com Sun Nov 24 18:19:53 1996  
From: Spencer Petri <spetri@e-tex.com>  
Subject: Cold Rainy Day in Texas  
Message-ID: <m0vRk6q-0000WpC@e-tex.com>

Hello Heavymetal Hefters,

Got the Globe King 500B in a place where at least it's more visible and will be able to work on it. I'm applying for the double strangulated hernia award.

Haven't used it since about 1979. Cabinet looks worse than remembered so I think I'll start on something easy and redo it. Doubt if I'll get it fired up this winter with all this other stuff I've gotta work on and can get working quicker.

Anyone know the paint to use on the cabinet?

The Vibroplex Champion came out of it's cubbyhole also. "Use me, use me" is what I thought I heard. Hopefully later on this season we'll see how it and arthritis get along. HI!

Anyway a little progress is happening.

73 de Pete WA5JCI

From boatanchors@theporch.com Sun Nov 24 18:19:53 1996  
From: "William B. Ross" <billross@txdirect.net>  
Subject: Re: Cold Rainy Day in Texas  
Message-ID: <3298C5AF.211E@txdirect.net>

Reference proper paint for Globe King 500B.

I have seen both grey and grey hammertone finishes on the GK500 and they both looked original. And I once saw one with a light Gold Hammertone finish, but that could have been the sheen of many a cigar or pipe smoke filled night using that rig.

Bill K5LLK

From boatanchors@theporch.com Sun Nov 24 11:31:34 1996  
From: "E. V. Sandy Blaize, W5TVW" <ebjr@worldnet.att.net>  
Subject: Elmac PMR series...  
Message-ID: <19961124034958.AAB8739@LOCALNAME>

Is there any Elmac PMR-6 or PMR-7 receivers in halfway decent shape out there?

I know the PMR-8 covers 80-6 meters. As I recall the PMR-7 looks almost identical, but covers 160-10 meters. The PMR-6 has a dial like an AF-67 I think and is 160-10?

Anyway, looking for one to go with an AF-67. Someone had one but I don't remember who.

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive,

Metairie, LA., 70001

ebjr@worldnet.att.net

From boatanchors@theporch.com Sun Nov 24 18:19:53 1996  
From: "Dick Dillman" <ddillman@igc.apc.org>  
Subject: Fax Love  
Message-ID: <69696.ddillman@igc.apc.org>

Greetings, fellas and gal. Well, as I mentioned, the last piece of the AN/TXC-1 WWII fax machine puzzle has arrived in the form of the CV-2 fax converter from Fair Radio - new in the box, no less!

I've had a CV-2 before, but it was a rack model. This CV-2 is a table model and about 10 times cuter. It comes in a carrying case with a removable top, like a portable sewing machine. With its olive green crackle paint, nice assortment of knobs and switches \*and\* a double segment green eye tube for tuning, it's irresistable.

So I started poking around, looking at the cables that came with it and noticed that one had battery clamps on one end! Opening the case, sure enough, there it was: a 6V vibrator! Yep, if times get tough I can just clip this baby onto the 6V battery in my '58 Willys and I'm back in business.

Like I say, I've had one of these before. Operation of the AN/TXC-1 is about as far from operating a fax machine of today as you can get. Let's say you're tuned to JJC in Japan and he's sending the daily news in Japanese characters to ships at sea at the 60 r.p.m. speed the TXC-1 likes. You tune your receiver while watching the double segment green magic eye tube display on the CV-2 until the tuning is correct. Then you wrap a sheet of special paper on the (soon to be) rotating drum of the fax machine, which itself has a panel of dials, meters, levers and switches. And you standby...

When the next fax starts (which you detect with your educated ear) you throw various switches and levers to start the drum rotating and more switches and levers to synchronize it to the incoming signal. At the same time the timing oscillator in the fax machine starts howling at about 2400cps. Once you have synchronized the drum you engage the recording stylus. The recording scheme is that a high voltage spark jumps from the stylus, through the paper to the drum, burning off as it goes the white surface of the paper revealing the black substrata - just at the correct moments to make the image. So now you've got the oscillator howling, the eye blinking, the drum rotating, the spark going zzzt! zzzt! and smoke rising overall from the burning process. Finally, you engage the lead screw lever to move the drum slowly along under the stylus, making the picture as it goes.

As you can see from the above description, it makes absolutely no difference that you have no idea what the finished fax says. It's the \*process\* man! Oh, baby. I can hardly wait.

Dick Dillman  
WPE2VT W6AWO ex-N6VS  
<ddillman@igc.apc.org>  
Collector of Heavy Metal:  
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Sun Nov 24 11:31:34 1996  
From: Allen Tucholski <allent@en.com>  
Subject: FS Johnson 6N2 "VF0"  
Message-ID: <1.5.4.16.19961123181927.2a4f3ed4@en.com>

I have a nice VF0, for the Johnson 6N2. It is all original, with original cable and plug.  
covers 144-148MHz and 50- 54Mc  
on a scale from 1 to10 it is a 9.5

\$40 plus shipping, about \$6

Allen  
NASA Lewis Research Center  
Cleveland, Ohio

From boatanchors@theporch.com Sun Nov 24 11:31:34 1996  
From: "William C. Robbins" <billrobb@net-link.net>  
Subject: FS: =?iso-8859-1?Q?Hethkit=AE?= Manuals  
Message-ID: <199611240037.TAA24579@serv01.net-link.net>

My son, Matt N8UGD, has the following Heath manuals for sale:

Test Equipment:

BE-4	Battery Eliminator	
GU-1820	Heath-WattÆ Portable AC Power System	
IB-28	Impedance Bridge	
IB-2A	Impedance Bridge	
IG-102	RF Signal Generator	
IG-42	Laboratory Type Signal Generator	(Brown Cover)
IG-42	Laboratory Type Signal Generator	
IG-42	Laboratory Type Signal Generator	
IM-103	Line Voltage Monitor	



IM-5210 40 KV Probe Meter (FREE)  
IP-2760 Battery Eliminator  
IT-18 In-Circuit/Out-of-Circuit Transistor Tester  
MM-1 V O M  
RF-1 RF Signal Generator  
V-7 Vacuum Tube Voltmeter

Misc:

GD-1186 Digital Scale  
GD-28 8-Track Stereo Tape Player  
GD-51 Wireless Intercom  
SS-1 Speaker System  
HD-1360 Outlet Box  
GH-17A Soldering Iron  
GD-1183 Freezer Failure Alarm  
TD-1089 Programable Electronic Chimes

All Test Equipment Manuals are \$7 each shipped unless other wise marked.

Make an offer on all the misc. manuals.

If you are interested in any manuals, please e-mail him at:

n8ugd@serv01.net-link.net

Thanks,

Bill

WA8CDU Heathkit Collector

From boatanchors@theporch.com Sun Nov 24 18:19:53 1996

From: BEN NOCK <106312.1035@compuserve.com>

Subject: FS: Headset/mic

Message-ID: <199611241432\_MC1-C62-392E@compuserve.com>

1 set Headphones DRL 5, Use with WS38, WS48, WS68, R-107, R-109 etc and  
1 Microphone Hand No 3, use with WS-18, WS-48, WS-68, remote unit WS-22,  
WS-62 etc, both plugged, as new.

10.00 pound sterling plus 1.00 postage

(outside UK, bank draft, sterling, drawn on UK bank only)

Ben G4BXD, Author and collector

MILITARY WIRELESS IN THE MIDLANDS  
'AIRBORNE DOES IT BY JUMPING THERE'

From boatanchors@theporch.com Sun Nov 24 18:19:53 1996  
From: "Dick Dillman" <ddillman@igc.apc.org>  
Subject: Hallicrafters SP-44 Manual Needed  
Message-ID: <69692.ddillman@igc.apc.org>

I have acquired a Hallicrafters SP-44 panoramic display which I intend to use with the SX-28A. It's in good shape and seems to actually work, but a look inside revealed the usual assortment of melted was condensers. Obviously, a bit of sprucing up is in order. Does anyone have a copy of the manual for this unit for sale, copy or original?

Dick Dillman  
WPE2VT W6AWO ex-N6VS  
<ddillman@igc.apc.org>  
Collector of Heavy Metal:  
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Sun Nov 24 11:31:34 1996  
From: JOHN\_SEHRING@ecunet.org  
Subject: HAMMAR FM-60  
Message-ID: <9611231602.aa03911@pcusa01.ecunet.org>

I think that the Hammar FM-60 lunchbox is just the low band VHF version of the FM-50 (high band) FM transceiver.

My FM-50A uses a 10.7 MHz 1st IF freq. and a 1650 kHz 2nd IF freq. According to the manual, you can just peak the IF cans up using a signal generator (no sweep gen needed for IF's, no overcoupled circuits here, see below) and monitor the appropriate test points (available at the 11-pin 'octal' socket on rear of chassis).

It's got a multi-pole xtal filter at 10.7 MHz marked as being 13 kHz wide, made by 'C-F' of Phoenix, AZ. That them let's use ordinary non-over-coupled IF cans as all the selectivity happens in the xtal filter.

The audio quality of these receivers is only fair, I think it's 'cause that filter's just a bit too narrow. 13 kHz ought to be enuf, but when I bypassed this filter (just playing around) audio quality got much better. It appears to be a bit less than 13 kHz wide (someday I'll measure it).

I worked on a bunch of these & they're all the same in this regard.  
Partial solution was to adjust the tx's to run less than 5 kHz of deviation.

BTW, I use the rx part of this radio to tune FM on 10 m and, with a converter, 6 m & 2 m FM.

My Halli SX-101A has a 1650 1st IF which matches the 1650 2nd IF of the FM-50A. So I just run a piece of unshielded (impedance is high here) from grid (wrap small wire around grid pin of the 6BA6 & plug it back in) of Halli 2nd mixer via a .01 disc cap, over to the grid of the 1st 1650 kHz IF amp in the Hammar.

The SX-101A is then the tunable front end and the Hammar is then further IF amp, limiter, FM detector, squelch and audio. Remove the 2nd mixer tube from Hammar to disable its front end. Works FB.

It'll work in any of the dual-conversion Hallis with this IF setup: S-76, SX-96, -100, -101, -122.

-John Sehring (11/22/96 11:41 am MT @Baker, Montana) UCC wb2eqg

From boatanchors@theporch.com Sun Nov 24 18:19:53 1996  
From: "Gary F. Franklin" <103273.1070@CompuServe.COM>  
Subject: Heathkit FS  
Message-ID: <961124201837\_103273.1070\_IHH33-1@CompuServe.COM>

Hello to all,

I have a few very nice pieces of Heathkit to sell:

Apache TX-1	\$175
Marauder HX-10	\$200
SB-10 SSB adapter	\$75

The Apache and SB-10 have chrome knobs. The HX-10 has the brushed aluminum knobs, although I may have extra chrome knobs available.....All units are very clean, no holes, dents or dings. The Apache does have a minor transmit problem, just havent taken time to fix it. I would be willing to trade....I am looking for an HQ-129X or a HRO-60..... I prefer pickup, I do not want to ship these rigs.....I can meet anyone within 150 miles of Kalamazoo, Mi

Gary K8BKB  
616-685-5792  
E-Mail: Compuserve 103273,1070

From boatanchors@theporch.com Sun Nov 24 11:31:34 1996  
From: vancleef@netcom.com (Henry van Cleef)  
Subject: Re: HP-411 parts  
Message-ID: <199611232213.PAA09513@netcom6.netcom.com>

As Joseph W. Pinner discourses

>  
> I recently acquired two HP-411 RF voltmeters. They are in fine physical  
> shape but are not working - yet.  
>  
> Can someone suggest a source (and/or give me a part number) for the lamps  
> used in the chopper circuit. All I have is a partial manual copy which  
> does not unfortunately include the parts list.  
>  
> Thanks and 73  
>  
> Joseph W Pinner  
> Lafayette, LA  
> KC5IJD  
> EMail: kc5ijd@net-connect.net  
>

If these are like the choppers in the 412A, the bulbs are #12. These are bi-pin bulbs with a big spherical bulb. They are 6 volt bulbs. You'll have to find a place that carries them. I got a bunch while I was in Austin. Newark sells them in 10-paks.

--

>=====

Hank van Cleef  
E-mail vancleef@netcom.com or vancleef@tmn.com  
>=====

From boatanchors@theporch.com Sun Nov 24 11:31:34 1996  
From: Ed Kleckner <ekleck@kendaco.telebyte.net>  
Subject: Re: HP-411 parts  
Message-ID: <Pine.LNX.3.91.961123202030.17226A-100000@kendaco.telebyte.com>

On Sat, 23 Nov 1996, Joseph W. Pinner wrote:

> I recently acquired two HP-411 RF voltmeters. They are in fine physical  
> Can someone suggest a source (and/or give me a part number) for the lamps  
> used in the chopper circuit. All I have is a partial manual copy which  
> does not unfortunately include the parts list.

Hi Joseph -- my 411 manual lists the lamps as 6.3V, 0.15 amp, No. 12.

Hope this helps...

73 Ed

~~~~~  
~ Ed Kleckner, N7YQR ~  
~ ekleck@kendaco.telebyte.com ~  
~~~~~

From boatanchors@theporch.com Sun Nov 24 11:31:34 1996  
From: Eugene Rippen <soundval@foothill.net>  
Subject: HR0 Coils Sets FS  
Message-ID: <3297D197.1908@foothill.net>

For sale: The following HR0 coil sets:

With the lock button (HR0 50 type):  
D \$40.00

With handles, and with the graphs on the front panels:  
A (2 available)  
B  
C  
D  
3  
4 (2 available)  
5 (3 available)  
6 (3 available)  
7  
\$30.00 each

There are no dial strips.

Add shipping to prices.

WANTED!!!

Dial strips for E, F, G and AC  
Coil set C (HR050 style)

Eugene Rippen, 105 Donnington, Auburn, CA 95603

From boatanchors@theporch.com Sun Nov 24 11:31:34 1996  
From: k7yha@juno.com (Richard H. Arland)  
Subject: HT-44 PA Tube Substitution  
Message-ID: <19961124.001427.4407.17.k7yha@juno.com>

Gang:

Forgot to post this on the Halli reflector....made it on the BA list so I'll repost it here.

Just got a very good condx HT-44. I was cleaning up the chassis, case and front panel, when I noticed that in place of the 6DQ5s in the PA cage, there was a set of 6146s on the RF deck! Surprise, Surprise!

Checked the ARRL HB and found that the tube pinouts are NOT the same. Although I haven't check pin-by-pin, I found that the sockets look like original equipment, no one looks to have been inside the RF deck with a soldering iron swapping pins around, which would have to happen if the 6DQ5s were replaced by 6146s.

Just wondering: Is this a "normal" mod? Could it have come from the factory wired this way (it is a S/N in the 35000's)? Gosh, I'm stumped. Glad I checked it out before I fired it up!

Suggestions anyone?

73 rich K7YHA

From boatanchors@theporch.com Sun Nov 24 11:31:34 1996  
From: k7yha@juno.com (Richard H. Arland)  
Subject: HT-44 PA Tube Substitution  
Message-ID: <19961124.060038.4407.26.k7yha@juno.com>

Gang,

Finally got the HT-44 reassembled: 3 coats of wax on the front panel, two coats on the case and covers. All spiffy and shinney. Looks great.

I checked the tube socket wiring against the voltage readouts in the HT-44 manual (there was no schematic of the TX, just voltage charts) and it looked to be wired for something other than a pair of 6DQ5s. Pins that should have had voltages on them according to the chart were not connected or strapped to ground. I then pulled out the diagram for the HW-101 (it was handy) and ckd the wiring on the 6146 PAs in it and they were close. What the heck. The house is insured.....we're gonna fire that sucker up!!!

I plugged in all the tubes and put the power to her. Had my flameproof underwear on, just in case. All went well. Nothing smoked. I proceeded to follow tune up procedures as outline in the manual and had about 75 watts of RF (according to the front panel meter....but who trusts those things?) output from the rig. Still no smoke.....not that I was all that

disappointed.

Have only tried it out on 80 meters, however, tomorrow I'll ck out the rest of the bands. Apparently, this rig has been modified for 6146s.....good tube....lots of 'em around, and you don't have to match them up like you do with sweep tubes. Whoever did the mods sure knew what he/she was doing. Looks like a professional job, for sure.

Now, all I have to do is rewire the new mic connector, find two 28 inch lengths of RG-68U to like the TX to the SX-117 for transceive operation, and an 11 pin plug to set up my antenna changeover relay and mute switching and I'll be on the air.

73 rich K7YHA

From boatanchors@theporch.com Sun Nov 24 18:19:53 1996  
From: "William B. Ross" <billross@txdirect.net>  
Subject: Re: HT-44 PA Tube Swap]  
Message-ID: <3298BD70.464D@txdirect.net>

Rich,

Check the wiring of those sockets. Although not common, swapping 6146es for the sweep tubes in some of those 60s style rigs was a fix for a lot of problems. I did such on an HX-50 I had numerous problems with. Less power but much smoother operation.

Bill K5LLK

From boatanchors@theporch.com Sun Nov 24 18:19:53 1996  
From: n6nae@ix.netcom.com (Richard Humphrey)  
Subject: RE: Isolation transformers  
Message-ID: <199611241735.JAA08376@dfw-ix4.ix.netcom.com>

Late thought from a late thinker:

Some of the answers were partly right, and some were partly wrong.

I've seen isolation transformers that were designed to remove noise as well as break the ground loop between primary and secondary. Topaz makes one, I believe called UltraIsolation. The windings are well shielded and low capacitance to keep primary noise from getting to the secondary. They were used to reduce ground currents to meet some tight German regs.

Rather than go to all the trouble and expense, why not use a brute

force line filter? I've seen 30 amp filter modules in surplus for a lot less than a transformer of that size. They filter out or seriously reduce the size of everything but the 60 cycle sine wave, and they don't deteriorate like MOVs. Just be sure to fuse the input in case a cap shorts. Also the ground leakage current will be too high to allow use of a GFI, but that's probably OK if everything in the shack is grounded together.

Richard

From boatanchors@theporch.com Sun Nov 24 18:19:53 1996

From: pmills@A.crl.com (Phil Mills)

Subject: Johnson Valiant help needed

Message-ID: <199611242307.AA03348@A.crl.com>

I tried to use my recently acquired Valiant on 20 meter cw the other day and discovered that the VFO needed some work as the tuning was erratic and the VFO did not "unkey" during key up conditions. Anyway, I took the front panel off and the covers off the VFO to have a look. First the flexible coupling was barely together and went to pieces when I took the VFO cover off. Does anyone have a similar flex coupling they can spare?....it needs to be 3/16 inch shaft on one side and 1/4 inch on the other....or should I just try to find a bushing to sleeve the 1/4 inches down to 3/16 and use a standard flex coupler?

Also, there was a thread a short while back on the Ranger VFO and moving the VR tube dropping resistor below the chassis to reduce heat build up in the VFO. Does this apply to the Valiant? This dropping resistor appears to only be a 2 watter.

Is there anything else I should look at while I'm in the VFO?

thanks & 73,

Phil

.

Phil Mills, AB5TH

\*\*\*\*\*

\*\*\*\*\*

pmills@a.crl.com

281-992-5762 days

Friendswood, TX (south of Houston)

From boatanchors@theporch.com Sun Nov 24 18:19:53 1996

From: "Gary F. Franklin" <103273.1070@CompuServe.COM>

Subject: KWS-1 Info

Message-ID: <961124201935\_103273.1070\_IHH33-2@CompuServe.COM>



Hello Everyone

I am looking for notes, articles, documentation anyone may have about the Collins KWS-1 transmitter. Although mine is working pretty well right now if anyone could share notes concerning problems, modifications or service bulletins I would like to have them on hand.....

Thanks

Gary K8BKB

E-Mail: Compuserve 103273,1070

From boatanchors@theporch.com Sun Nov 24 18:19:53 1996

From: "Dick Dillman" <ddillman@igc.apc.org>

Subject: Lafayette Explor-Air Available

Message-ID: <60730.ddillman@igc.apc.org>

I have a Lafayette Explor-Air receiver available for sale. This three tube (50C5, 35W4, 12AT7), 4-band regenerative receiver is housed in a wooden case (8"h x 10-1/2" w x 6"d) with an overlay of gray imitation naugahide. It has a built-in speaker in the center of the front panel with controls for Ant. Tuning, Band, Regeneration, Volume along with Main Tuning and electrical Bandsread.

Cosmetically, both the case and panel are in very good condition. There is a small scratch on the front panel near the band D calibration arc. However this scratch misses the numbers so touch-up should be possible.

The receiver is operational on all bands (I copied WLO on Morse at 22Mc on 10ft. of wire) with all the usual quirks of a regenerative receiver of this class. There is a low level hum in the audio which does not, to my mind, interfere with its operation as-is. However, internal inspection revealed that the filter condenser is the octal base type neatly secured below the chassis with wire leads soldered to the pins. Purists will want to replace this.

I'd give this little receiver a solid "very good" for overall condition, appearance and operation.

\$40 plus shipping from San Francisco 94105.

Dick Dillman  
WPE2VT W6AWO ex-N6VS  
<ddillman@igc.apc.org>  
Collector of Heavy Metal:

Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Sun Nov 24 18:19:53 1996  
From: wb6zwc@ns.net  
Subject: Manual 651S1  
Message-ID: <199611241729.JAA14921@tomcat.ns.net>

Hello guys: No commerical dealer has the manual for this rig.  
Anybody out there have one!  
Richard@Sacramento

From boatanchors@theporch.com Sun Nov 24 18:19:53 1996  
From: jlivingston@cix.compulink.co.uk (John Livingston)  
Subject: Marine CW  
Message-ID: <memo.921792@cix.compulink.co.uk>

Maybe it's not dead yet - check out "Sparky's maritime radio homepage"  
<http://rampages.onramp.net/~rangerj/>

John Livingston	jlivingston@cix.compulink.co.uk
G4FDD	G-QRP 431
+44(0)1904 794305	FAX +44(0)1904 657778

From boatanchors@theporch.com Sun Nov 24 18:19:53 1996  
From: BEN NOCK <106312.1035@compuserve.com>  
Subject: Miniature Military Key  
Message-ID: <199611241431\_MC1-C62-392C@compuserve.com>

Unfortunately, any further orders for the miniature military key will have to be paid for by bank draft in Sterling. The exchange rate has changed and the charges applied in currency conversion are too high, thus causing this notice.

Miniature military key, 2 by 1 inch, French made,  
new and unused..... 22.00 UK (posted)

(outside UK, bank draft, sterling, drawn on UK bank only)

Ben G4BXD, Author and collector

MILITARY WIRELESS IN THE MIDLANDS

'AIRBORNE DOES IT BY JUMPING THERE'

From boatanchors@theporch.com Sun Nov 24 18:19:53 1996  
From: "Allan Fritsche" <fritsche@msn.com>  
Subject: Missing Knob for Halli  
Message-ID: <UPMAIL03.199611242340120801@msn.com>

Hi Gang, hope everyone is staying warm... It's about 45 degrees in Houston as we speak. Really ugly day.

Now for the begging and pleading part.. Phil Mills brought over the SX-101 MKIII and the HT-32 Transmitter today. Since I traded him a year ago the SX-101 for the HQ-170A I knew the SX would work just fine... And it does. The HT-32 is another story. Phill said it has problems and I am sure it will. But that will be another story.  
Just noticing that all knobs on both units are original except for the BFO on the SX-101.. Anybody got one for sale or trade are a lead.

Thanks in Advance  
fritsche@msn.com

From boatanchors@theporch.com Sun Nov 24 18:19:53 1996  
From: "Gary F. Franklin" <103273.1070@CompuServe.COM>  
Subject: Need an IF Can  
Message-ID: <961124235014\_103273.1070\_IHH57-1@CompuServe.COM>

Hi Folks

I need an IF can for a Halicrafter SX-111.... 50.75 kc ..... T-4.....Part number 050-200489. I don't know if the SX-110 uses a 50 kc if but it may be a candidate..... Anyone got one?

Gary K8BKB

E-Mail: 103273,1070@compuserve.com

From boatanchors@theporch.com Sun Nov 24 11:31:34 1996  
From: JOHN\_SEHRING@ecunet.org  
Subject: NEED HEATHKIT MANUALS  
Message-ID: <9611231603.aa04392@pcusa01.ecunet.org>

Looking for manual on Heathkit AA-1 Distortion Analyzer and Heathkit AG-10

Sine & Square Wave AF Generator. Will gladly pay ur costs to copy & mail.

As always, thanks!

-John Sehring (11/23/96 12:57 pm MT @Baker, Montana) UCC wb2eqg

From boatanchors@theporch.com Sun Nov 24 18:19:53 1996  
From: Nick England <nick@cs.unc.edu>  
Subject: Need Singer Spectrum Analyzer Manual  
Message-ID: <199611242041.PAA04087@altair.cs.unc.edu>

I have got a Singer SPA-3 model 25a "Panoramic Spectum Analyzer" that I'd like to get a manual for. It covers 1 kc/s to 25 mc/s. If you have ever seen one of these and can tell me what sort of probe it used I'd appreciate it. Rack mount, two units - power supply below a spectrum analyzer above. Tan paint job. About 24" tall and definitely a boat anchor.

thanks & 73,  
Nick KD4CPL

-----  
Nick England KD4CPL nick@cs.unc.edu Univ. Of North Carolina  
<http://www.cs.unc.edu/~nick> Chapel Hill NC

From boatanchors@theporch.com Sun Nov 24 18:19:53 1996  
From: john <johnmb@pop.mindspring.com>  
Subject: Plug in coilsets-JEL, JVL, MCL, TVL?  
Message-ID: <199611242053.UAA21154@mule1.mindspring.com>

Gang,  
I'm cleaning up my pile of plug in coilsets... and am fairly baffled about the number of them, and the nomenclature.

I have JEL , JVL, MCL and TVL types.. among others. Can someone let me know what the power levels / applications these little tanks were for?

The dishwasher is hummin!  
/John

+-----+  
|John Brewer johnmb@mindspring.com |  
|WB50AU/4 AMI #24 |  
|Vintage Gear web page: <http://www.mindspring.com/~johnmb/> |  
+-----+

From boatanchors@theporch.com Sun Nov 24 18:19:53 1996  
From: "E. V. Sandy Blaize, W5TVW" <ebjr@worldnet.att.net>  
Subject: Re: Plug in coilsets-JEL, JVL, MCL, TVL?  
Message-ID: <19961124233935.AAB5600@LOCALNAME>

At 08:55 PM 11/24/96 +0000, you wrote:

>Gang,  
>I'm cleaning up my pile of plug in coilsets... and am fairly baffled  
>about the number of them, and the nomenclature.  
>  
>I have JEL , JVL, MCL and TVL types.. among others. Can someone  
>let me know what the power levels / applications these little tanks were  
>for?

JEL "Junior End Link" 75 watts  
JVL "Junior Variable (swinging) Link" 75 watts  
MCL "Miniature Center Link" 25 watts  
TVL "Transmitter Variable Link" 500 watts

There's a "B" series that's good for 150 watts and an "HD" series that's good for a kw.

The "EL" is end link, "VL" is swinging link, "CL" is center link in all cases as the suffix.

The plastic frequently deteriorates on them and they have to be rebuilt!  
73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive,

Metairie, LA., 70001

ebjr@worldnet.att.net

From boatanchors@theporch.com Sun Nov 24 11:31:34 1996  
From: "Andy Howard, WA4KCY" <102452.362@CompuServe.COM>  
Subject: R-389 Receiver For Sale  
Message-ID: <961124135017\_102452.362\_DHT39-1@CompuServe.COM>

Hello to all military and VLF buffs,

I am going to sell my R-389 receiver. This is a VLF receiver made by Collins. It is serial number 7 and can be seen on my home page. Go to my home page and scroll to the bottom of the opening page for a picture. Cabinet included.

I will accept offers on this receiver for a week.

This is a rare opportunity to own one of these "scarce" receivers. Send your offer and I will let everyone know by next Saturday midnight. See sig line below for home page URL.

Thanks and 73,

~~~~~  
Andrew E. (Andy) Howard, Sr., WA4KCY  
105 Sweet Bay Lane  
Carrollton, Georgia 30116-8519  
Telephone 770-832-0202  
Southeastern Division Director, AM International  
102452.362@compuserve.com  
wa4kcy@usa.net wa4kcy@juno.com  
Vintage Radio Home Page Address:  
<http://ourworld.compuserve.com/homepages/sweetbay>  
<><

~~~~~  
"Our Constitution was made for a moral and religious people.  
It is wholly inadequate for the government of any other."  
John Adams-1798  
~~~~~

From boatanchors@theporch.com Sun Nov 24 18:19:53 1996  
From: "Dick Dillman" <ddillman@igc.apc.org>  
Subject: Reformation and Old Faxes  
Message-ID: <69687.ddillman@igc.apc.org>

I've collected the final piece of the system for my AN/TXC-1 WWII vintage fax machine: the CV-2 converter unit. With it, the PP-86A power supply and the TXC-1, I should be copying HF soon. But like real men did it, with HV sparks and burning paper!

Okay, anyway, all this stuff has apparently never been used before. It's "new" in the box but 50 years old. There has been much discussion in these pages, I know, about "reforming" electrolytic condensers in situations like this. But I never thought I'd need to employ the technique so I didn't pay attention.

Would someone be good enough to school me in the process?

Thanks...

Dick Dillman  
WPE2VT W6AWO ex-N6VS

<ddillman@igc.apc.org>  
Collector of Heavy Metal:  
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Sun Nov 24 11:31:34 1996  
From: k7yha@juno.com (Richard H. Arland)  
Subject: Schafer Automate Tape System  
Message-ID: <19961124.001427.4407.16.k7yha@juno.com>

Gang:

Anyone have any experience with a Schafer automate tape system used in the mid '70s on AM/FM bcst stations. Please contact me directly if you can answer some questions about this antiquated system. (NOTE: even though it is a TTL/sand-state unit, it feeds a 1946 Raytheon R-1000 transmitter with a pair of 833s modulated by a a pair of 833s.....REAL Firebottles! Jack, you just wait till you get this years Xmas card!)

73 rich K7YHA

From boatanchors@theporch.com Sun Nov 24 18:19:53 1996  
From: "Dick Dillman" <ddillman@igc.apc.org>  
Subject: See Sprout!  
Message-ID: <60735.ddillman@igc.apc.org>

John Brewer, keeper of the excellent "Boatanchors!" Web site, has graciously included pictures of me, my radios and - most important - of my radio sidekick "Sprout" as part of his "Radio Room" section. There a couple of other radio babes as well so check it out! Point your browser to:

<http://www.mindspring.com/~johnmb>

If you visit Johns site often you may need to Reload the page in your browser to assure that you see the updated information. Thanks, John for including me on your outstanding site.

Dick Dillman  
WPE2VT W6AWO ex-N6VS  
<ddillman@igc.apc.org>  
Collector of Heavy Metal:  
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Sun Nov 24 18:19:53 1996  
From: "Dick Dillman" <ddillman@igc.apc.org>  
Subject: See Sprout... Live!  
Message-ID: <60741.ddillman@igc.apc.org>

For those of you in the San Francisco, here's fair warning that me and Sprout plan to be at the Livermore swapmeet on 1 December and would love to chat with fellow BA enthusiasts. Just so you can spot us, one of us is over 6'5" and 220lbs. with a beard while the other is just over 5' with fire engine red hair. We'll both have matching jump suits \*and\* we'll be communicating with a pair of BC-611s. I realize we'll kinda blend in with the usual crowd but do your best.

We'll probably do a quick first circuit of the swapmeet looking for treasures that need a new home followed by more leisurly wanderings during which we hope to meet some of our BA colleagues.

Dick Dillman  
WPE2VT W6AWO ex-N6VS  
<ddillman@igc.apc.org>  
Collector of Heavy Metal:  
Harleys, Willys and Radios Over 100lbs.

From boatanchors@theporch.com Sun Nov 24 11:31:34 1996  
From: JOHN\_SEHRING@ecunet.org  
Subject: SOURCE OF FILTERS  
Message-ID: <9611231602.aa03801@pcusa01.ecunet.org>

Try: <http://www.wolfenet.com/~kiwa/index.html>

for some interesting filters, not too expen\$ive either.

-John Sehring (11/22/96 11:29 am MT @Baker, Montana) UCC wb2eqg

From boatanchors@theporch.com Sun Nov 24 18:19:53 1996  
From: w4bld@juno.com (Robert B. Kerby)  
Subject: Special Thanks To All  
Message-ID: <19961124.180513.5063.1.W4BLD@juno.com>

Hello BA Gang - I want to thank all of you who have been so very helpful to me in my projects and in the enhancement of my collections. This is a unique group with which I am proud be associated . [ Thanks, Jim for



providing the service!! ] My special thanks to all. Happy Holidays, Bob,

Robert B. Kerby W4BLD - I collect Gonset, Morrow, and Elmac -  
Post Office Box 991 (UPS ADDRESS: 231 Rosser Avenue)  
Waynesboro, VA 22980 w4bld@juno.com (540) 942-4356 Nets I frequent  
are:

DX-60 AM Net at 1400 EST Sun. p.m. on 7290; Trader's on Wed. and Sat on  
3865 at  
2000 EST and AM SWAP on 3885 at 1830 EST on Thur.

From boatanchors@theporch.com Sun Nov 24 11:31:34 1996  
From: WPUL1130@CONCENTRIC.NET (LLOYD A. SCOTT, JR.)  
Subject: Tampa Florida HamFest  
Message-ID: <3298b004.46586675@SMTP.CRIS.COM>

Hi Gang: Just got back from the Tampa, Fl Hamfest. I found it  
interesting. Some tube stuff, Heathkit, Collins, Eico, and Ect..  
I made two purchases, things I can not live with-out. (1) RTTY  
Converter that came from the Mafrine Coastal station in Tampa  
WPD. and a VHF FM military unit, and I will need some help  
with this one: has one each R-384/U, T-278, PP-804 , C-847,  
all housed in a OD Green weather proof box. Ithink the  
xmitter was set on 148.xx Mhz. Its in the trunk of the car and  
hard to tell very much about it. Cost me \$30.00 was this  
a good or bad deal.??

Herman ?? from Orlando was there with his wonderful exhibit  
of day one radios, tubes and telegraph keys.

I was luck to pick up the above beast, as I had just left my  
wife at TIA to catch a flight to Austin, Tx. If she had been  
with me I don't think I would have been comming home with  
us. Tooooo late now.

73's

Lloyd

"Where Destructive Maintenance Is Our Most Important Product"

From boatanchors@theporch.com Sun Nov 24 18:19:53 1996  
From: "Joseph W. Pinner" <kc5ijd@net-connect.net>  
Subject: Thanks - HP-411A help  
Message-ID: <199611241822.MAA00971@dns1.net-connect.net>

To all (quite a few) who sent me the needed info on my HP-411As,

Thanks and 73!

Joseph W Pinner  
Lafayette, LA  
KC5IJD  
EMail: kc5ijd@net-connect.net

From boatanchors@theporch.com Sun Nov 24 11:31:34 1996  
From: "Gary F. Franklin" <103273.1070@CompuServe.COM>  
Subject: Thanks for the Info KWS-1 Decals  
Message-ID: <961123214118\_103273.1070\_IHH62-1@CompuServe.COM>

Thanks to all who replied about the KWS-1 dial drum decals..... received many responses

73  
Gary K8BKB

From boatanchors@theporch.com Sun Nov 24 18:19:53 1996  
From: arc5@ix.netcom.com (David Stinson )  
Subject: The BC-375 / BC-191: Some Tips  
Message-ID: <199611241941.LAA11360@dfw-ix10.ix.netcom.com>

The BC-375 / BC-191 is a classic 1920's-1930's MOPA design. No one would expect a Model "T" Ford to perform like a modern sports car, and a 375 is not going to have the stability or ultra-clean keying of a YeaComWood. But then, any doo-fuss CBer can drive a sports car. It takes someone special to appreciate and drive a Model "T".

Forget everything you ever heard about the BC-375 being a yowping, drifty TVI machine. That's all hogwash brought about by lame power supplies, incorrect tuning and improper neutralization. If properly powered and tuned, it will have a slight chirp on 160-80 and a slightly greater one on 40. That was both expected and accepted at the time. The transmitter master oscillator is stable enough for good AM phone on 160 and 80. It's important to remember that the rig was never designed to work AM on the higher bands. Liason work was 95% CW, with AM range work at 246 KC and 3105 KC. The BC-375 is a simple, reliable and easily-repaired design that met these requirements.

Here are the power supply requirements if you're going to have a good, clean BC-375. I don't know the filament requirements for the BC-191, so I'll leave that for one of the infantry fans to post.

If you're not going to use the PE-73 Dynamotor:

Filaments/Relays: 24-28 VDC at 10 amps \*under load\*.  
This supply \*must\* have guts enough to hold its voltage under 8-9 amps draw.

B+ : 1000 VDC at 450 milliamps. Like the filament supply, this one has to have some backbone. You don't need to regulate it; just make sure you can draw 350 mills without dropping hundreds of volts. You can use less voltage, with a corresponding loss of output power.

If you use the PE-73 dynamotor, you're looking at a starting surge current of around 75 amps and a running current of about 20. I don't have one of those big 100 amp 24 volt power supplies, so I use a Lambda 28 V 40 Amp supply across two car batteries. The batteries take the surge current and the power supply handles the running voltage.

I've heard that you can disconnect and jumper the starting relay in the PE-73 and connect a 30 amp supply without batteries, which will cycle the dyno up slowly without the starter relay "chatter." I tried this jumpered set-up and the dyno did indeed cycle slowly up to running speed, but I didn't try operating the transmitter this way. I prefer knowing I have sufficient "umph" to handle things.

Proper neutralization is imperative to successful AM work. The manual covers how to neutralize the final, but I found that way difficult and unsatisfactory on my BC-375. If you neutralize by the method in the book, it will be fine for CW but break-out into parasitics on modulation peaks, spiking the plate current and FMing the master oscillator. I and Willis, W9FGJ, put our heads together and found a solution to this little problem. I have an Icom 735 with a true FM detector. I put the rig into "TONE" mode, keyed it and tuned the neutralizing cap for minimum tone output on the receiver! The rig was then stable and fine on AM.

If you're going to use a 50-ohm, coax-fed antenna then put the antenna circuit switch on position 2. This puts the antenna tuning cap in series with the antenna roller coil, which is the proper circuit for that type antenna. The RF ammeter won't read over about 1.5 or 2, but a wattmeter on the output will show 75-90 watts out. When tuned this way, the output of the 375 has acceptable harmonic attenuation.

I hope to find you adventurous souls that have the gumption to revive this historic rig on the air.

73 DE Dave Stinson AB5S  
arc5@ix.netcom.com

From boatanchors@theporch.com Sun Nov 24 11:31:34 1996  
From: arc5@ix.netcom.com (David Stinson )  
Subject: The BC-375 / BC-191: Some Background.  
Message-ID: <199611241632.IAA04943@dfw-ix4.ix.netcom.com>

If the BC-375 had a voice, it would surely smile,  
tug on its antenna loading coil and say,  
"I tell'ya, I don't get no respect!"

The airborne BC-375 and its nearly identical ground-pounding brother, the BC-191, are the "Rodney Dangerfields" of WW-II transmitters. The two transmitters are essentially the same design, save one is for 24 volts and the other, 12. Therefore, I speak of them as one transmitter.

A few hams bought them from the surplus market after WW-II and hung lame and half-baked power supplies on them. They tuned them improperly, fiddled with the switching relays, made jake-leg modifications and generally thrashed about in the dark. After seeing the understandably poor results, they pronounced the transmitter "junk" and gutted it. They then built other, less useful junk that eventually went into a dumpster. I know; I was almost guilty of the same crime.

That's a real shame, because no single transmitter of the WW-II era (Roosevelt to Hiroshima) served

longer, with more distinction or more user satisfaction than the BC-375/191. That includes such Johnny-come-latelys as the ART-13 and the BC-610. The original design was laid-down by General Electric in 1928 and refined to that of the WW-II mass production model by 1935. Improvements on the design continued until 610s and ART-13s began to be readily available.

In 1933, an airborne 375/191 (SCR-187) was used to broadcast the inaugural address of Franklin Roosevelt. It served as primary communications for the builders of the Alkan highway to Alaska and in airborne expeditions to remote parts of the globe. As part of SCR-193 and several other ground sets, the transmitter was the standard mobile and liason set for infantry until about the last half of 1943, when SCR-299s with the BC-610 began to be widely available. In the air, the 375 saw its widest use as SCR-287, the liason transmitters for B-17, B-24 and other bombers. The PB4-Ys that helped break the back of Hitler's U-boat forces sent their action reports to base using the BC-375. The B-29s that flew "over the hump" to China-Burma-India also carried the BC-375.

In the last year of the war the ART-13, as part of the AN/ARC-8, began to replace the aging GE veteran. The ART-13 didn't earn its good reputation until Korea, which was a different war in a different world.

I'll follow shortly with tips on getting your 375/191 cooking.

73 de Dave Stinson AB5S  
arc5@ix.netcom.com

From boatanchors@theporch.com Sun Nov 24 11:31:34 1996  
From: howellh@winthrop.edu  
Subject: TO Keyer  
Message-ID: <96112400060519@winthrop.edu>

Date: 24-Nov-1996 00:02am EDT  
From: Haney Howell  
HOWELLH  
Dept: Mass Communication  
Tel No: 323-4534

TO: Remote Addressee ( \_smtp%"boatanchors@theporch.com" )

Subject: T0 Keyer

The trusty Halli T0 keyer just had a stroke! It sounds like it's in self-oscillation. Tubes check good, caps ok... I suspect the relay. Any suggestions? Anyone have a spare relay for this beast?

Still looking for cover for the crystal calibrator on the 390A.

Haney no2n <howellh@winthrop.edu>

From boatanchors@theporch.com Sun Nov 24 11:31:34 1996  
From: Mike Sewell <75143.2737@CompuServe.COM>  
Subject: RE: Tubes on PC boards!  
Message-ID: <961124035230\_75143.2737\_IHV73-1@CompuServe.COM>

Earlier, Bry wrote;

>I finally took some time to re-arrange the shack / office / lab  
>today, and thus created some table top space. Put the WRL Duoblaster  
>84 up on the table and whipped the cover off to see if I could put  
>one of the two sweep tube finals back in its socket - it had leaped  
>out during shipping across country from Eugene Rippen's BA Candy Store  
>to my QTH by UPS!

>Well, what do my eyes behold in there? CIRCUIT BOARDS! Brown,  
>single-sided 1960s style circuit boards with GULP - \*TUBES\* mounted  
>on them!

My comments here are a little late, but, then what the hell, I usually am, too.

IMHO, WRL/Globe made some very interesting equipment and the Duobander 84 (Duoblaster) is part of that family. I've not yet finished the restoration of mine (I have to have way too many projects running concurrently or I'm not happy), but, I can share some observations with you.

Observation #1. BEWARE that nasty old brown PCB material. It may have done the job very nicely for the first twenty or so years of it's life, but, it doesn't seem to age with grace. I found SEVERAL places on the foil side of the PCBs

where a mere 300 VDC was arcing nicely across an eight-inch gap between foils. Carving away some of the involved foils (thus, exposing 'fresh', uncontaminated PCB material solved the arcing problem. Evidently, the dielectric characteristic of that nasty old brown board is inversely proportional to the age of the material!!!

Observation #2. 'Hot' receiver with good agc action after I replaced a shorted transistor in the agc circuit. I'm not sure, but, I may have caused the demise of that non-vacuum three-legged thingy myself. Getting to the underside of the PCBs requires considerable disassembly and then an interesting clip-lead lash-up to run it in that state.

Observation #3. Current status of project - receiver section aligns and works very well. Transmitter section has good, full output if I insert carrier, but, has micro output when a mike is used. I got tired of fiddling with it and put it all away with documentation so I could come back it later. Hmmm, seems like later might be sooner!!

Just thought I'd share some ramblings with you. I like Globe/WRL stuff better and better the more I play with it. Good luck with your Duobander!

73,

Mike K 0 Collects Radios eXclusively

From boatanchors@theporch.com Sun Nov 24 11:31:34 1996  
From: launerb@crl.com (William H. Launer)  
Subject: RE: Tubes on PC boards!  
Message-ID: <v01530508aebd7d7c9928@[192.0.2.1]>

A word of caution about tubes on pc boards - I had a portable tv set with series string tubes on a pcb. It quit working, and during my troubleshooting (looking for a bad filament), I discovered that the solder had dissappeared from one tube socket filament connection. I resoldered it, and the set worked fine. Later, it happened again in the same place. Apparently, the trace was thin, or the tube conducted too much heat to the filament pin. If you design new tube circuits using pc boards, be sure to allow plenty of copper in the filament circuits.

73, Bill wb0cld

Bill Launer  
St. Charles, MO  
launerb@crl.com

wb0cld@wb0cld.ampr.org [44.46.66.25]  
qrp-l #279            qrp arco #3551  
Grid Square EM48RT

From boatanchors@theporch.com Sun Nov 24 11:31:34 1996  
From: "E. V. Sandy Blaize, W5TVW" <ebjr@worldnet.att.net>  
Subject: RE: Tubes on PC boards!  
Message-ID: <19961124050558.AAA3934@LOCALNAME>

At 04:20 AM 11/24/96 +0000, you wrote:

>A word of caution about tubes on pc boards - I had a portable tv set with  
>series string tubes on a pcb. It quit working, and during my  
>troubleshooting (looking for a bad filament), I discovered that the solder  
>had dissappeared  
>from one tube socket filament connection. I resoldered it, and the set  
>worked fine. Later, it happened again in the same place. Apparently, the  
>trace was thin, or the tube conducted too much heat to the filament pin.  
>If you design new tube circuits using pc boards, be sure to allow plenty of  
>copper in the filament circuits.

>

>73, Bill wb0cld

>

This was a common problem during the tube TV days! One "fix" that I remember was to solder on a piece of wire wrapped and soldered to the socket pin, then solder it to the pcb land about 1/2" away from the pin for about 3/8-1/2" of land. This would usually cure the problem. It seemed to happen on things like the horizontal output stage, vertical osc/output, audio output and video amplifier stages. Any of the "power" stages. Same thing on the PC board AC-DC "AA5" radios. Most of it was from poor materials or inadequate design. Cutting the materials "short" or marginal materials.

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive,

Metairie, LA., 70001

ebjr@worldnet.att.net

From boatanchors@theporch.com Sun Nov 24 18:19:53 1996  
From: Peter Ferrand <petef@sprynet.com>  
Subject: RE: Tubes on PC boards!  
Message-ID: <3.0.32.19961124130434.00702268@m3.sprynet.com>



One other problem with tubes on pc boards was boards that never had the rosin from the soldering process properly cleaned off. Doesn't much matter in most cases when the unit's new, but the rosin holds dirt, the dirt becomes conductive and nothing works right. The rosin may also cause other chemical involvements over the fullness of time with the board material, I don't know.

73,  
-Pete  
WB2QLL  
petef@sprynet.com

From boatanchors@theporch.com Sun Nov 24 11:31:34 1996  
From: k0az@i1.net (MIKE SANDERS)  
Subject: Vintage SSB on 80 meters today  
Message-ID: <199611240414.WAA00782@mail11.i1.net>

Greetings All, Having sucessfully checked in to the BA bunch on 3579 last night I decided to try the 32S1/75A4 combo out on ssb today. I was tuning around and heard "HT32" so I stopped to listen. It was K5HZ in WI running a HT32B and SX101A. He was chatting with Rob WA9ZTY also running BA stuff but I never did get what it was. Then Pat WB9GKZ also in WI checked in with another HT32B and SX101A combo. I managed to be heard with the barefoot 32S1 and got good reports from the fellas up north. The 3.1 filter in the A4 took care of the "slight" freq differences with a touch of the main knob. No sweat. Anyway it was fun and proved more and more of the guys with the "right stuff" are out there and on the air. These folks run 3885 on Sat mornings on AM. I am anxious to get the Valiant and HR050T1 on line to join em. 73, Mike K0AZ

From boatanchors@theporch.com Sun Nov 24 11:31:34 1996  
From: Bob Roehrig <broehrig@admin.aurora.edu>  
Subject: Want to trade a few QST's  
Message-ID: <Pine.ULT.3.95.961123170519.16535A-100000@admin.aurora.edu>

I am looking for a few QST's to round out the collection. They don't have to be mint (mine are not).

What I need: Aug & Sept 1941, Sept 1942, Nov 1943, Apr May Sept 1945  
and Dec 1947.

I have several dozen issues from 1944-1947 to trade.

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI  
CIS: Data / Telecom Aurora University, Aurora, IL  
630-844-4898 Fax 630-844-5530

From boatanchors@theporch.com Sun Nov 24 11:31:34 1996  
From: hagelin@magi.com (Richard Brisson)  
Subject: What Every Shack Should Have !  
Message-ID: <96Nov24.115422-0500edt.51846a-12410+3223@istar.ca>

Good morning all -

I thought I would relay this message as I am sure almost all of you are going to form a stampede in trying to buy this one !!! I believe that it has components that do glow and qualifies as an antique ??? :- ) :- ) 73, Richard.

> From the "rec.antiques.marketplace" newsgroup ...  
>  
> Hewlett-Packard Model 5061A Cesium Beam Primary Time and Frequency  
> Reference Standard. This is the same "flying atomic clock" standards  
> that the U.S. Naval Observatory, the BIH in Paris, and the National  
> Institute of Standards and Technology (Formally NBS) utilize for time  
> and frequency standardization across the world and "onboard"  
> satellites (Global Positioning System). This clock has the digital  
> display option in 24-hour (00:00:00) format, and many, many extras.  
> Excellent Condition. \$11,850 + S&H Reply to: garwonko@msn.com  
>

From boatanchors@theporch.com Sun Nov 24 18:19:53 1996  
From: k7yha@juno.com (Richard H. Arland)  
Subject: Re: What Every Shack Should Have !  
Message-ID: <19961124.172819.4407.28.k7yha@juno.com>

On Sun, 24 Nov 1996 10:55:17 -0600 (CST) hagelin@magi.com (Richard Brisson) writes:

>> Hewlett-Packard Model 5061A Cesium Beam Primary Time and Frequency  
>> Reference Standard. This is the same "flying atomic clock" standards  
>> that the U.S. Naval Observatory, the BIH in Paris, and the National  
>> Institute of Standards and Technology (Formally NBS) utilize for time

>> and frequency standardization across the world and "onboard"  
>> satellites (Global Positioning System). This clock has the digital  
>> display option in 24-hour (00:00:00) format, and many, many extras.  
>> Excellent Condition. \$11,850 + S&H

You mean you DON'T have one? I have two. One for on-line and the other as  
a hot-standby! I mean, if you don't know what time it is, your lost in  
this day and age!!

73 rich K7YHA

From boatanchors@theporch.com Sun Nov 24 18:19:53 1996  
From: wb6zwc@ns.net  
Subject: Re: What Every Shack Should Have !  
Message-ID: <199611241746.JAA15814@tomcat.ns.net>

At 11:33 AM 11/24/96 -0600, you wrote:

The better question: does it run from the wall socket power?

>  
>On Sun, 24 Nov 1996 10:55:17 -0600 (CST) hagelin@magi.com (Richard  
>Brisson) writes:  
>  
>>> Hewlett-Packard Model 5061A Cesium Beam Primary Time and Frequency  
>>> Reference Standard. This is the same "flying atomic clock" standards  
>>> that the U.S. Naval Observatory, the BIH in Paris, and the National  
>>> Institute of Standards and Technology (Formally NBS) utilize for time  
>>> and frequency standardization across the world and "onboard"  
>>> satellites (Global Positioning System). This clock has the digital  
>>> display option in 24-hour (00:00:00) format, and many, many extras.  
>>> Excellent Condition. \$11,850 + S&H  
>  
>You mean you DON'T have one? I have two. One for on-line and the other as  
>a hot-standby! I mean, if you don't know what time it is, your lost in  
>this day and age!!  
>  
>73 rich K7YHA  
>  
>  
Richard@Sacramento

From boatanchors@theporch.com Sun Nov 24 18:19:53 1996  
From: Richard Hager <rhager@millcomm.com>

Subject: Re: What Every Shack Should Have !

Message-ID: <32989DA0.7AB7@millcomm.com>

Richard Brisson wrote:

>  
> > From the "rec.antiques.marketplace" newsgroup ...  
> >  
> > Hewlett-Packard Model 5061A Cesium Beam Primary Time and Frequency  
> > Reference Standard. This is the same "flying atomic clock" standards  
> > that the U.S. Naval Observatory, the BIH in Paris, and the National  
> > Institute of Standards and Technology (Formally NBS) utilize for time  
> > and frequency standardization across the world and "onboard"  
> > satellites (Global Positioning System). This clock has the digital  
> > display option in 24-hour (00:00:00) format, and many, many extras.  
> > Excellent Condition. \$11,850 + S&H                      Reply to: garwonko@msn.com--

That piece has been on the market now for, geez, 4-5 months maybe? If I remember right, they were originally asking \$12,000. With the massive discount he's put on it now, I'm sure it will move quickly....

Richard Hager

+ Ah-ha! Design Group, Inc.                      -  
+ Precision CNC Technology, since 1991       -  
+ 612-641-1797, Fax: 612-641-8681               -  
+ "I just like to make things" So...               -  
+ please call Ah-ha! directly for CNC info       -  
+ <http://www.gdic.com/ahha> email: [ahha@gdic.com](mailto:ahha@gdic.com) -

From boatanchors@theporch.com Sun Nov 24 18:19:53 1996

From: "Lawrence R. Ware" <lrware@pipeline.com>

Subject: Re: What Every Shack Should Have !

Message-ID: <1.5.4.16.19961124185313.2ea70f1a@pop.pipeline.com>

>Richard Brisson wrote:

>> > Hewlett-Packard Model 5061A Cesium Beam Primary Time and Frequency  
>> > Reference Standard.  
>> > \$snip>  
>> > Excellent Condition. \$11,850 + S&H

Richard Harger wrote:

>That piece has been on the market now for, geez, 4-5 months maybe? If I  
>remember right, they were originally asking \$12,000. With the massive  
>discount he's put on it now, I'm sure it will move quickly....

When it gets down to the going "street" price of \$1200 it might. <g>  
-Larry

From boatanchors@theporch.com Sun Nov 24 11:31:34 1996  
From: anthony@ix.netcom.com (Anthony Severdia)  
Subject: WTB Hallicrafters oldie TX  
Message-ID: <199611240632.WAA01069@dfw-ix7.ix.netcom.com>

~

Hi, guys and gals. This is a serious WTB posting for an  
Hallicrafters TX oldie.

HT-6 Transmitter, circa pre 1942. A CW/AM of only 25W  
using 807 PA + p-p 6L6 modulators (I think). Good cosmetic and  
possible working condition desired but will settle for  
any such in restorable condition.

Too much to ask for? ....maybe, but let's try. Solid Leads  
ok, too. "There 'must' have been quite a few sold". <g>

Please reply to the address in the header. Thank you.

-=Tony=- W6ANV San Francisco, CA

From boatanchors@theporch.com Sun Nov 24 11:31:34 1996  
From: Dave Hutchison <djhutch@concentric.net>  
Subject: WTB: SX-111  
Message-ID: <32979EBC.68FD@concentric.net>

Hello!

I am looking for a Hallicrafters receiver, the SX-111.

I have an SX-110 that is available for trade.

73's

Dave Hutchison KW9U